

Claims

1. A telecommunication controller comprising a control framework comprising:-
 - 5 an application domain level operative according to control logic domain objects; and
 - a meta level operative according to the meta objects which represent the domain object classes and provide an interface to isolate the domain objects from services associated with the controller.
- 10 2. A controller as claimed in claim 1, wherein the meta objects comprise event channels for automatic notification to subscribers.
- 15 3. A controller as claimed in any preceding claim, wherein the meta objects are structured in a hierarchy of abstract classes for declaring actions and attributes.
- 20 4. A controller as claimed in any preceding claim, wherein the meta objects comprise means for invoking actions on domain objects and changes to attributes of domain objects..
- 25 5. A controller as claimed in any preceding claim, wherein the controller comprises a key class naming objects in the domain level.
6. A controller as claimed in any preceding claim, wherein the meta level defines containment of domain level objects and the domain level comprises means for automatically notifying the meta level of containment modifications.

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7. A controller as claimed in claim 6, wherein the meta objects comprise means for interrogating a base object containment hierarchy to locate a required object in response to a request from a requesting object.
- 5 8. A controller as claimed in any preceding claim, wherein the meta objects comprise means for performing persistence data operations transparently to the domain objects.
9. A controller as claimed in any preceding claim, wherein the meta objects
10 comprise means for updating a data backup controller for fault tolerance transparently to the domain objects.
10. A controller as claimed in any preceding claim, wherein the meta objects
15 comprise means for verifying base object proposals to update real resource attributes.
11. A controller as claimed in claims 8, 9, or 10, wherein the meta objects
comprise means for publishing events on channels to notify adapter objects.
- 20 12. A controller as claimed in claim 11, wherein the adapter objects are contained in a services level in the controller.

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